

WHAT WE CLAIM IS:

1. A transformer including:

first and second transformer windings,

5 an iron core carrying said first and second  
transformer windings,

an enclosure housing the iron core and first and  
second transformer windings,

10 first and second electrical connectors in electrical  
communication with the first transformer winding, and

a second enclosure encasing the electrical  
connectors and portion of the first transformer winding  
in electrical communication with the connectors .

15 2. A transformer as claimed in claim 1 wherein the  
second enclosure is made of a fire retardant material.

3. A transformer as claimed in claim 1 further  
including a electrical pin assembly, with first and  
20 second pins, in removable communication with the first  
and second electrical connectors, said pin assembly  
disposed to project from the outer surface of the  
enclosure to facilitate connection of the transformer to  
an electrical wall outlet.

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4. A transformer as claimed in claim 1 further  
including a winding bobbin that forms part of the second  
enclosure.

5. A battery charger including:

first and second transformer windings ,

an iron core carrying said first and second  
5 transformer windings ,

an enclosure housing the iron core and first and  
second transformer windings ,

an electrical pin assembly with first and second  
pins in electrical connection with the first transformer  
10 winding , and

a second enclosure made of fire retardant material  
encasing a portion of the electrical pin assembly and the  
first transformer winding in connection with the  
electrical pin assembly .

15 6. A battery charger as claimed in claim 5 wherein the  
first winding is formed on a bobbin that forms part of  
the second enclosure.